



# FEMA



Prepared by  
*Brian Hoeth*

# FEMA Region 6 Weather Threat Briefing

Saturday September 11, 2021

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).



NWSSouthern

[www.weather.gov/srh](http://www.weather.gov/srh)



- **A tropical depression is likely to develop in the western Gulf of Mexico on Sunday or Monday.**
  - **Heavy rain likely at times Sunday through Wednesday for coastal TX/LA.**
  - **Localized significant amounts possible, resulting in flash, urban, and river flooding.**
  - **Too early to determine any other potential impacts.**
- **Two tropical waves in the far eastern Atlantic are being monitored for potential tropical development. No impacts to FEMA Region 6 for at least the next 5 days.**

# FEMA Region 6 Threat Matrix

Sep 11, 2021 - Sep 15, 2021



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DAY / THREAT	Sat	Sun	Mon	Tue	Wed
Severe Storms					
Heavy Rain / Flash Flooding		Coastal TX/LA	Coastal TX/LA	Coastal TX/LA	Coastal TX/LA
Fire Weather	TX/OK Panhandles W OK	TX/OK Panhandles W OK			
Tropical Winds / Surge					
Heat					
River Flooding			Coastal TX/LA	Coastal TX/LA	Coastal TX/LA

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.\**

*For more details on the colors in the threat matrix refer to the last slide in this briefing.*



# Tropical Weather Outlook – Atlantic/Gulf



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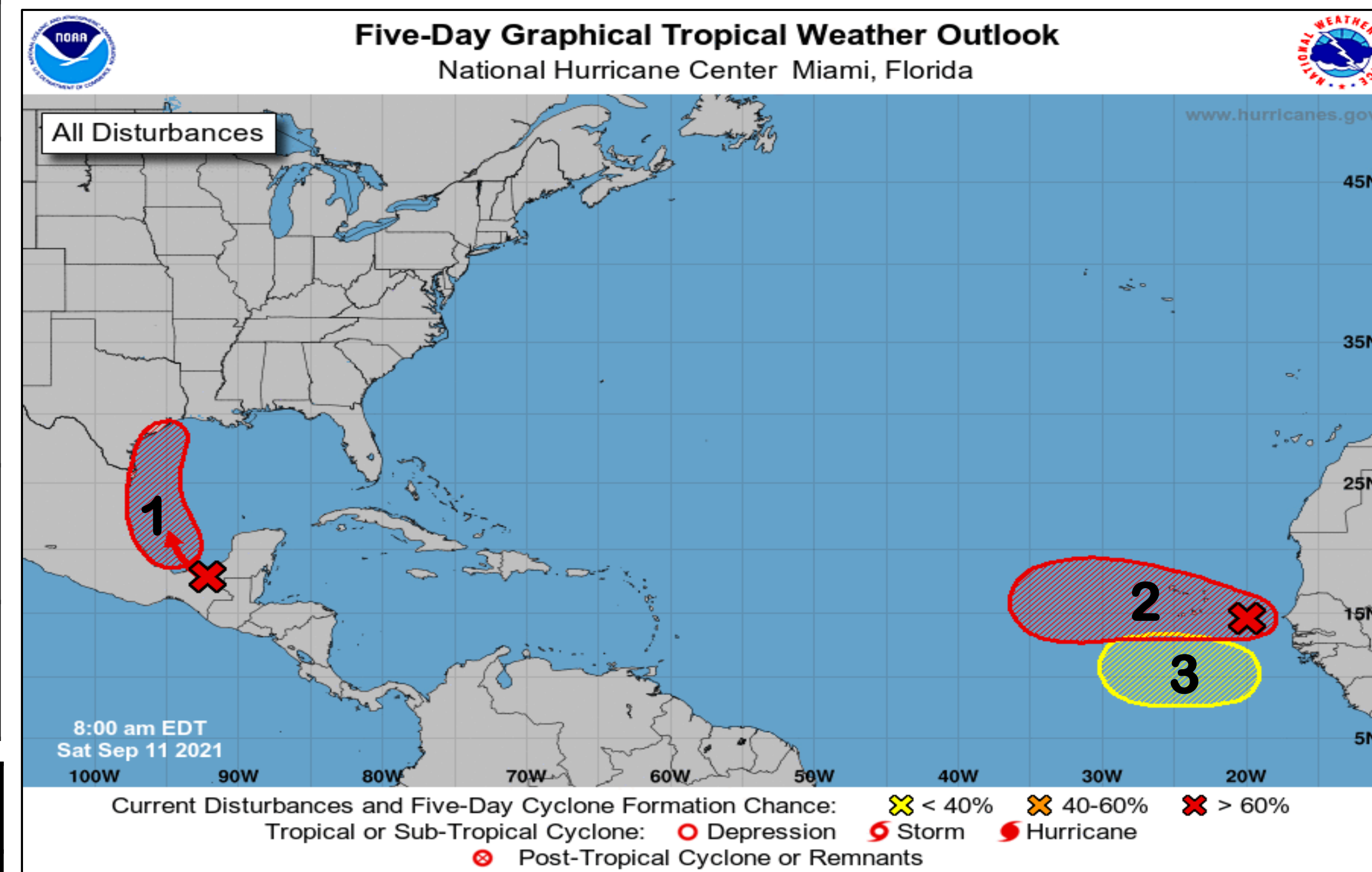
See next slide for more information

## Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
1	High	Heavy rainfall leading to flash, urban, & river flooding for coastal TX/LA. Too early to determine any other potential impacts.
2	High	No impacts for at least the next 5 days.
3	Low	No impacts for at least the next 5 days.

## Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
-	





# Tropical Disturbance near the SW Gulf of Mexico



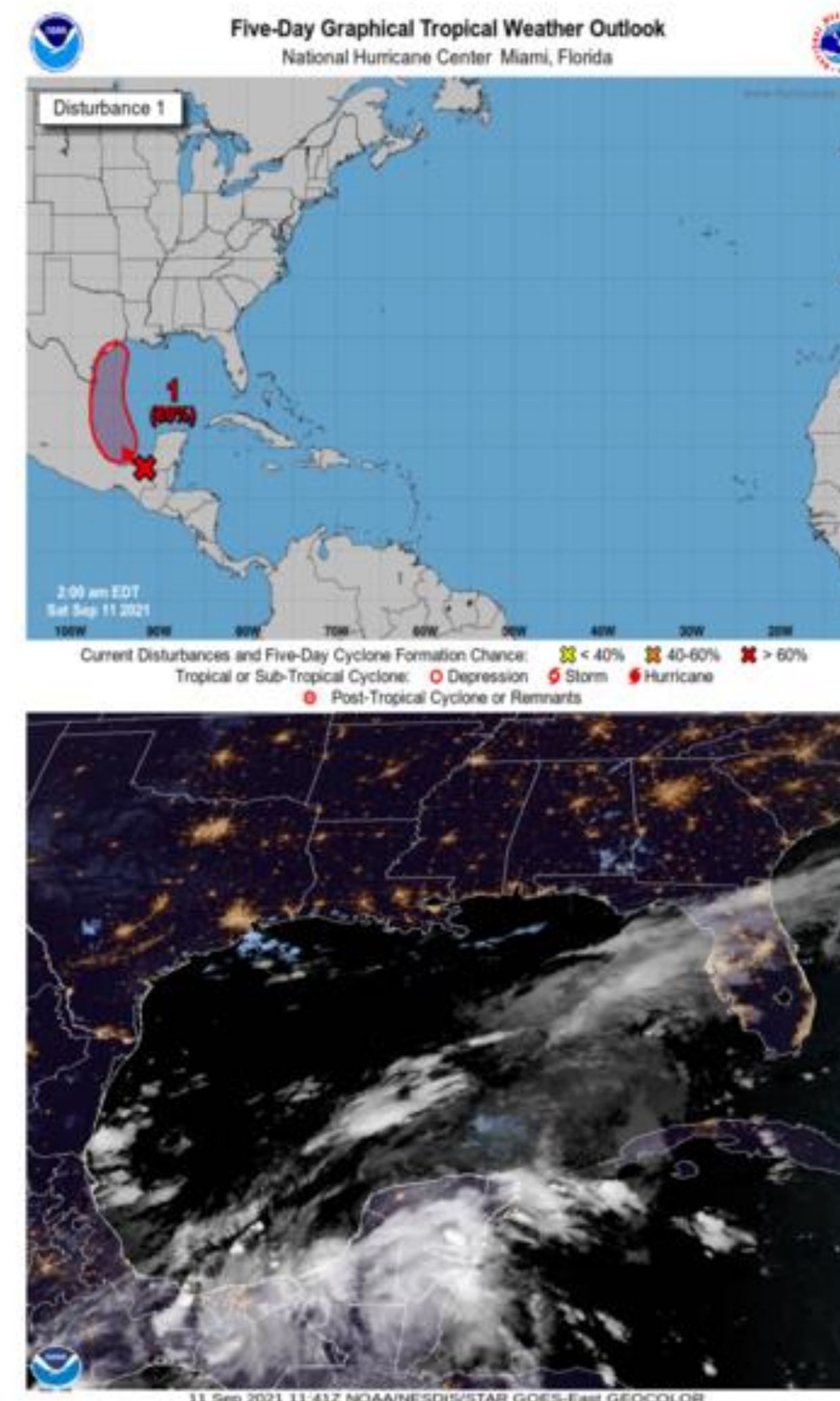
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## Key Messages for the tropical disturbance near the southwestern Gulf of Mexico

08:00 AM EDT Sat Sep 11, 2021

1. A tropical depression is likely to form on Sunday or Monday over the western Gulf of Mexico.
2. Heavy rains will continue over Central America and the Yucatan Peninsula today, which could lead to flash flooding and mudslides. By late this weekend, heavy rain will likely reach portions of the western Gulf coast, including coastal Texas and Louisiana through the middle of next week. Localized significant rainfall amounts will be possible, potentially resulting in areas of flash and urban flooding.
3. Interests along the western and northwestern Gulf coast should monitor the progress of this system.





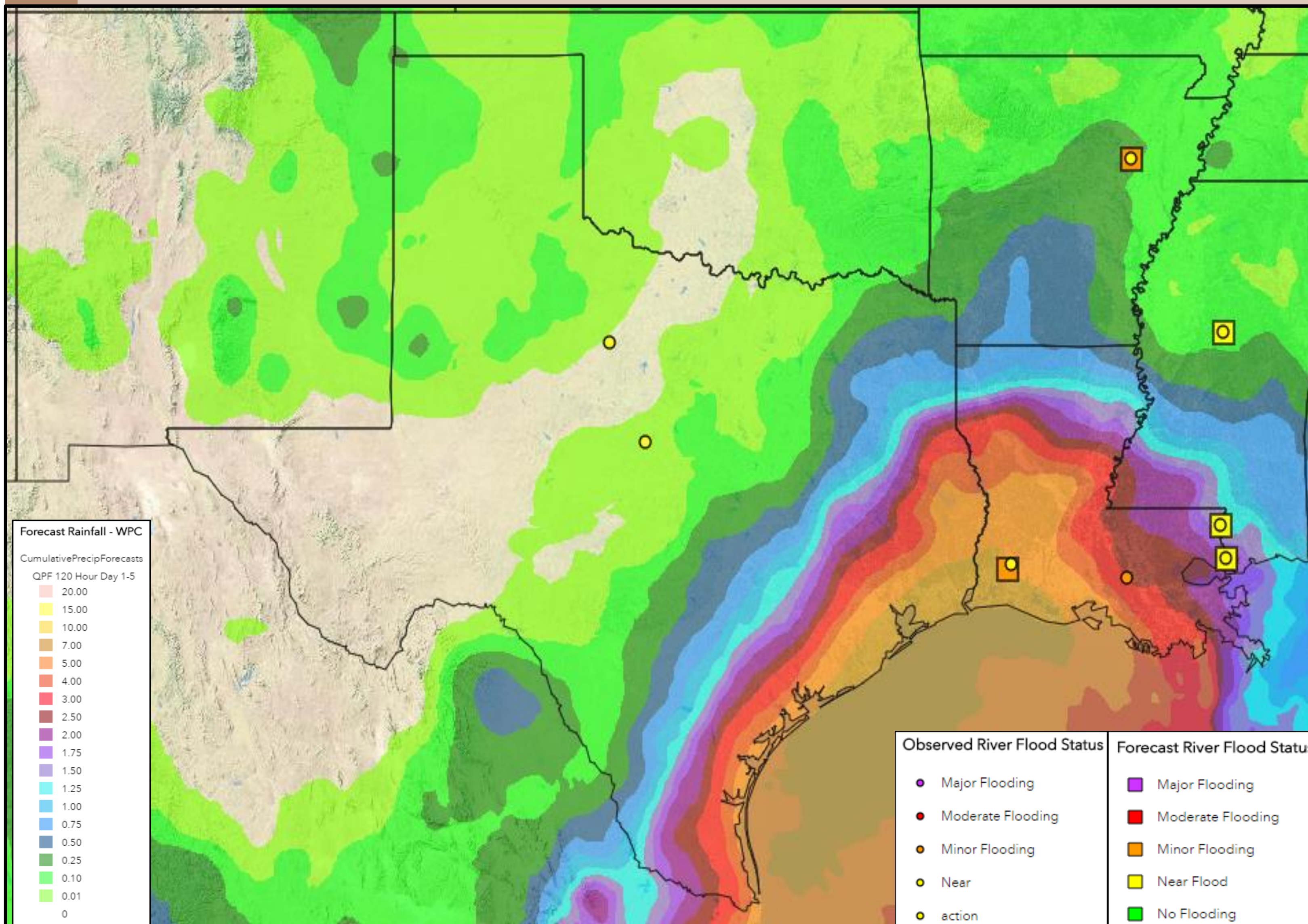
# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*

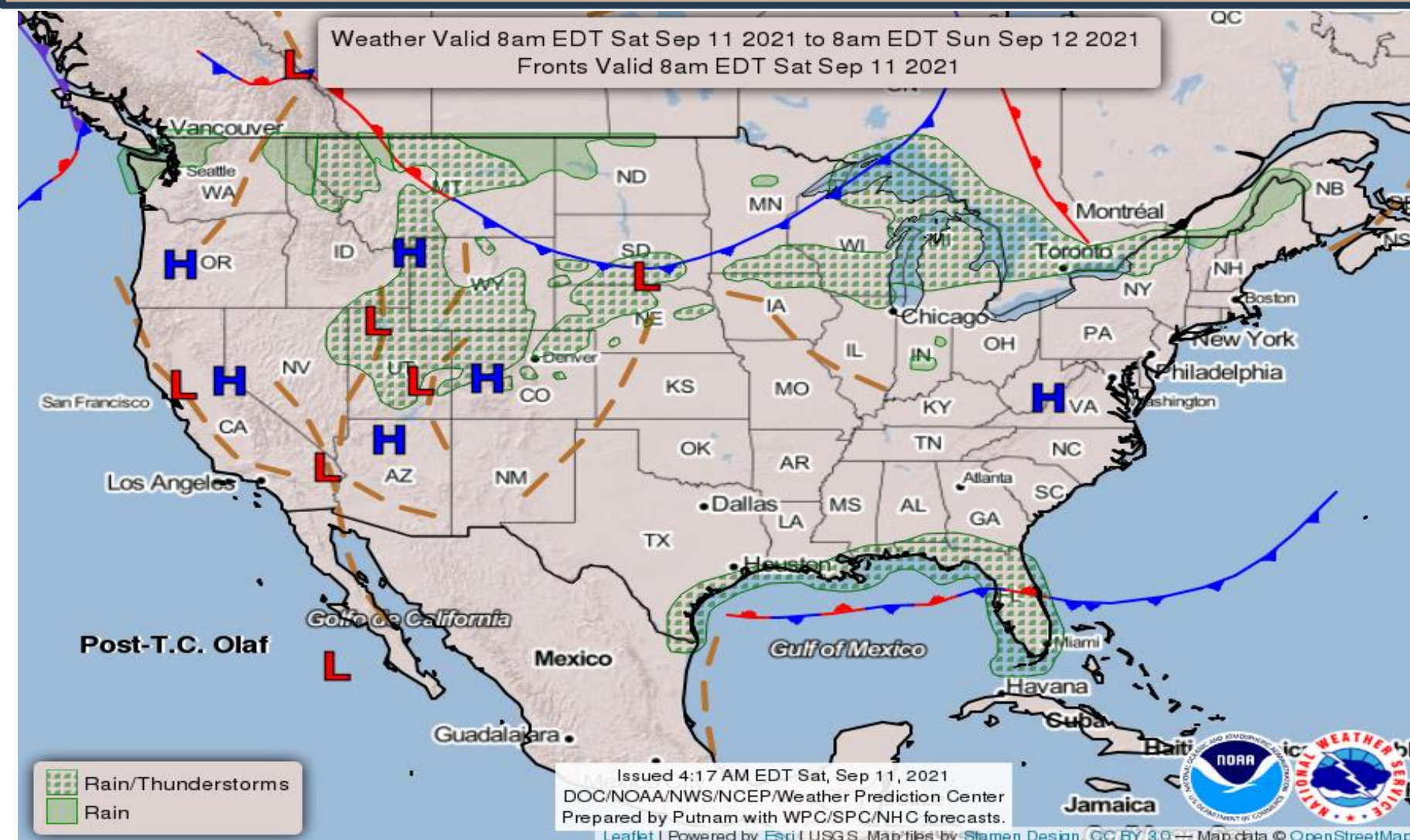
**Heavy rain likely at times Sunday through Wednesday for coastal TX/LA. Localized significant amounts possible which may lead to river flooding.**



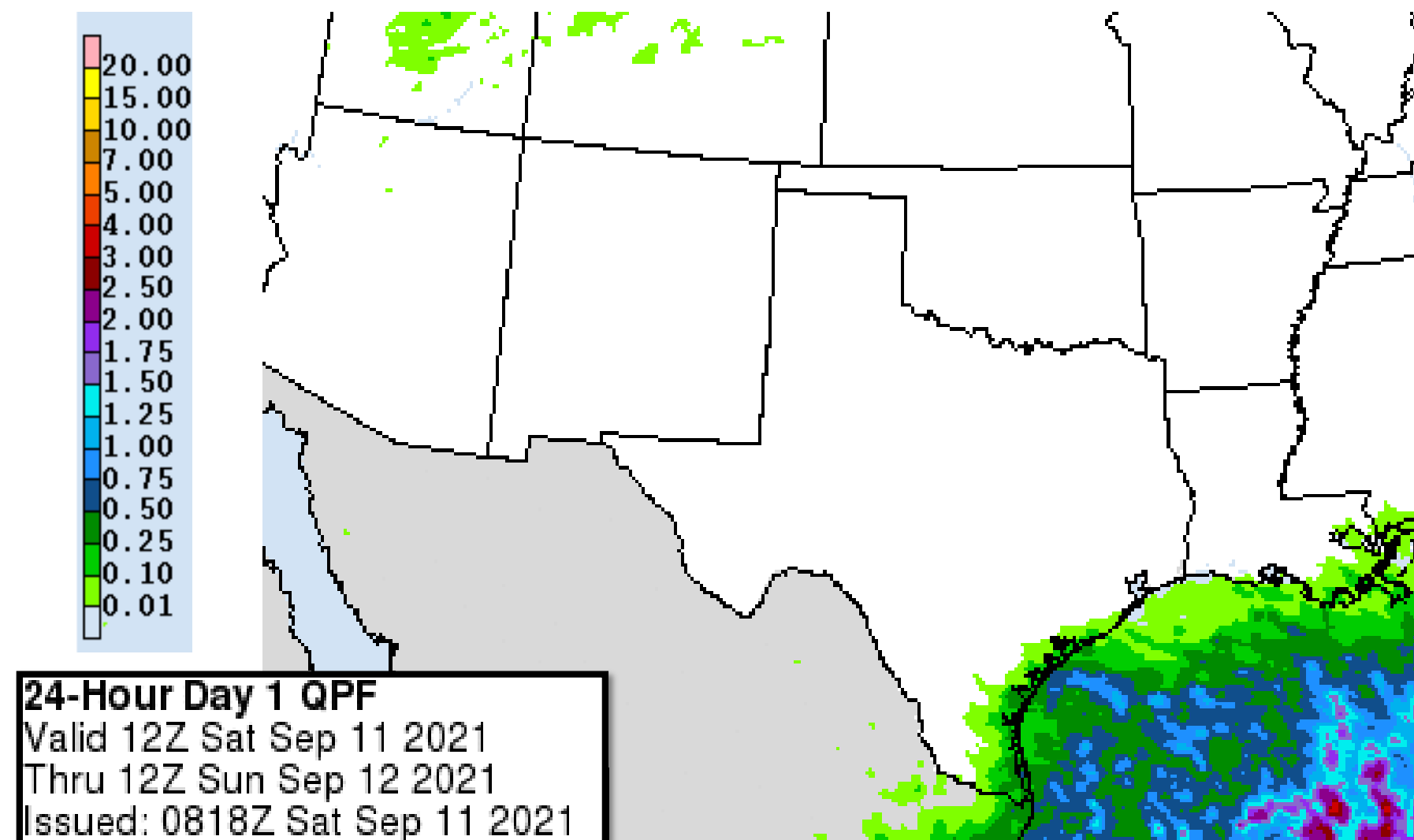


# Today's Weather

## Forecast Chart



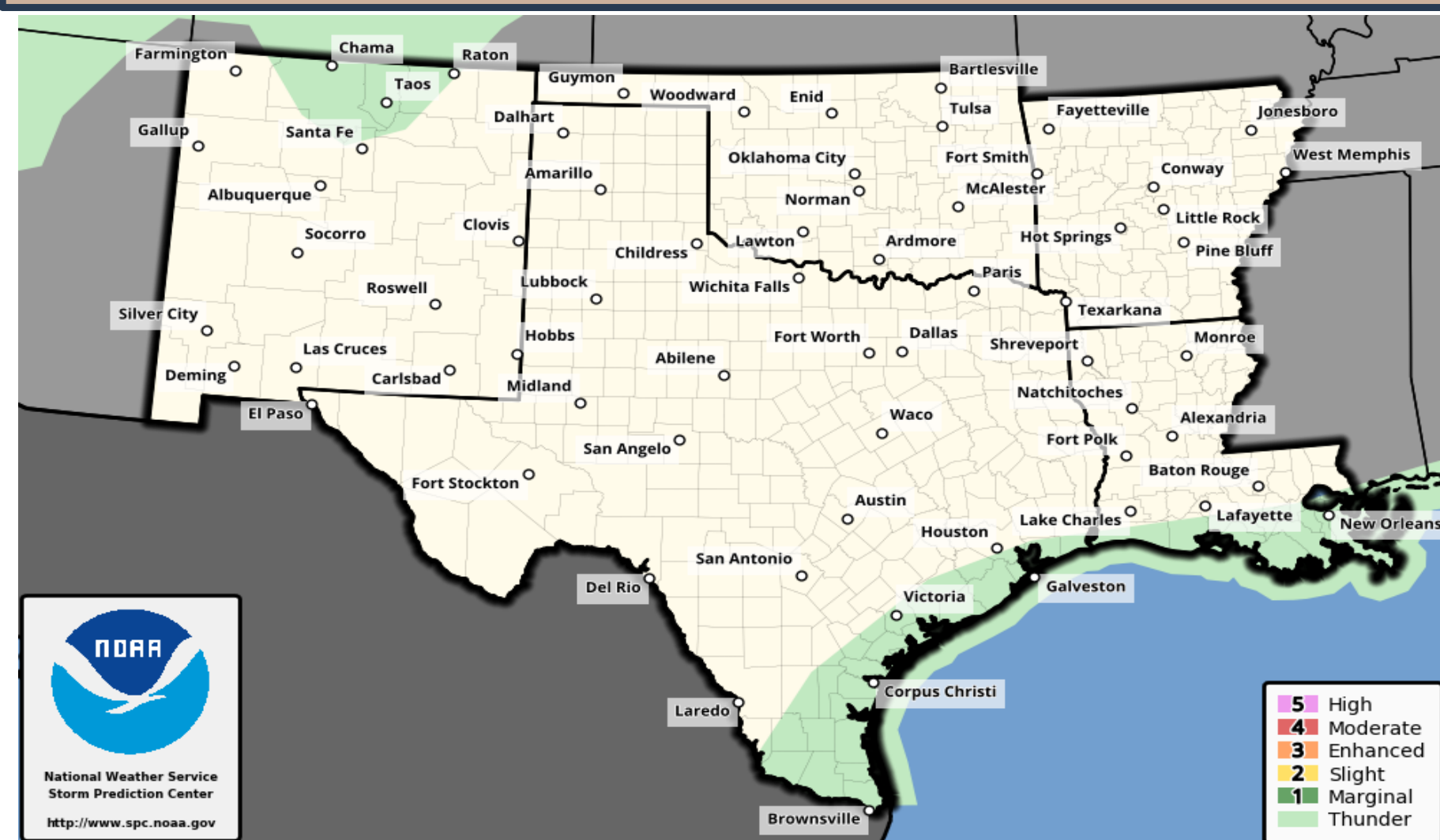
## Forecast Rainfall



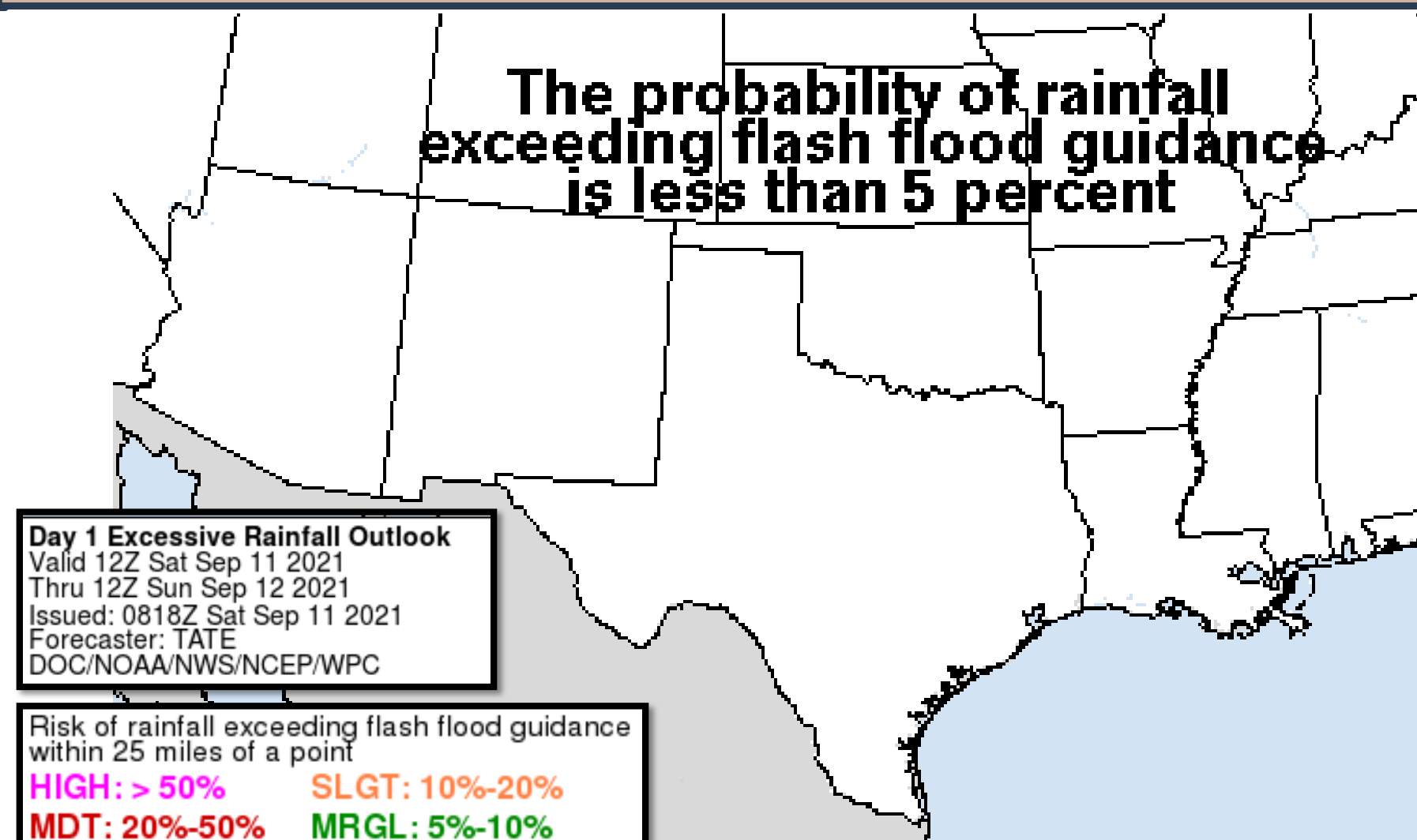
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**No significant weather  
expected.**

## Severe Weather Outlook



## Excessive Rainfall Outlook

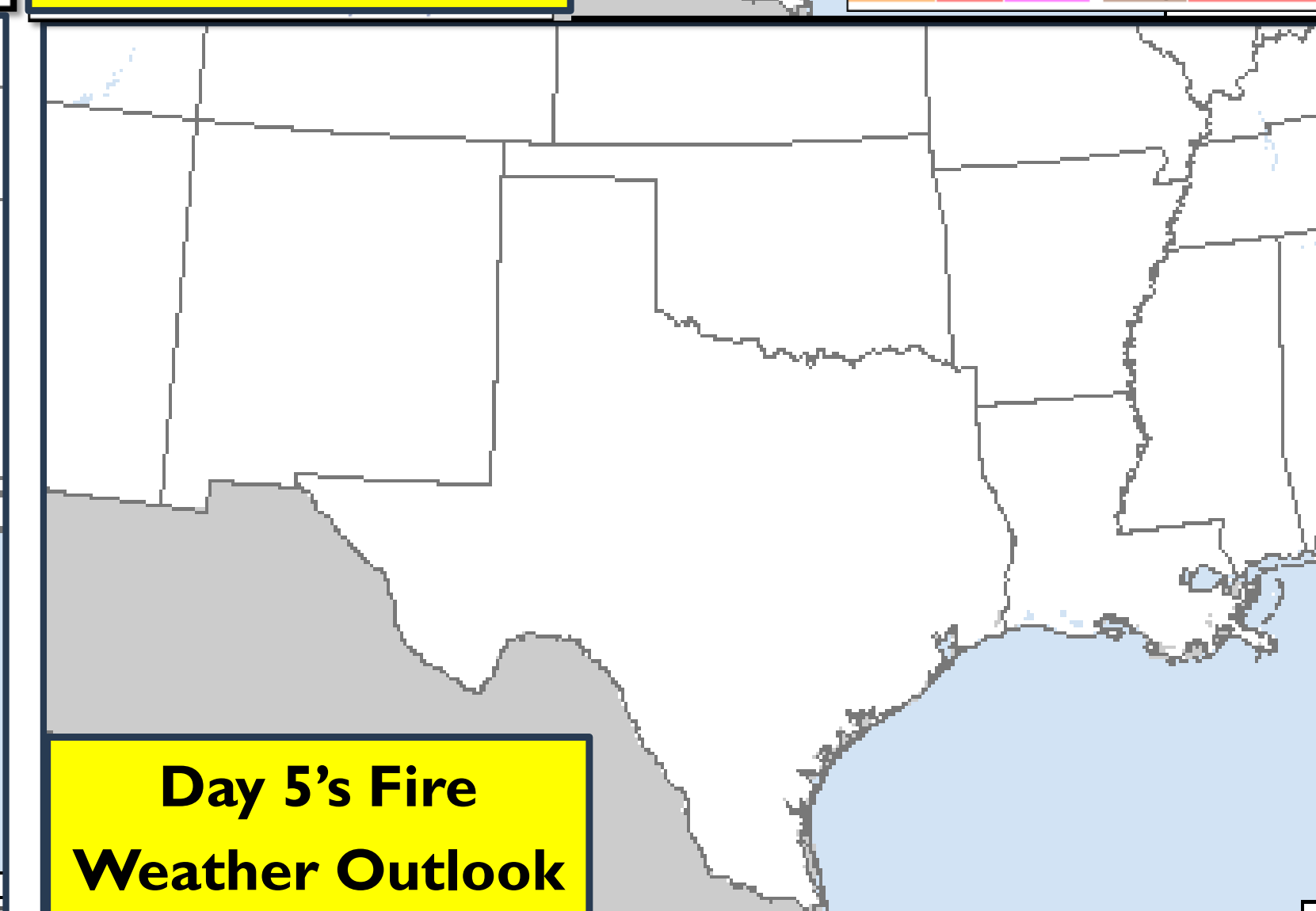
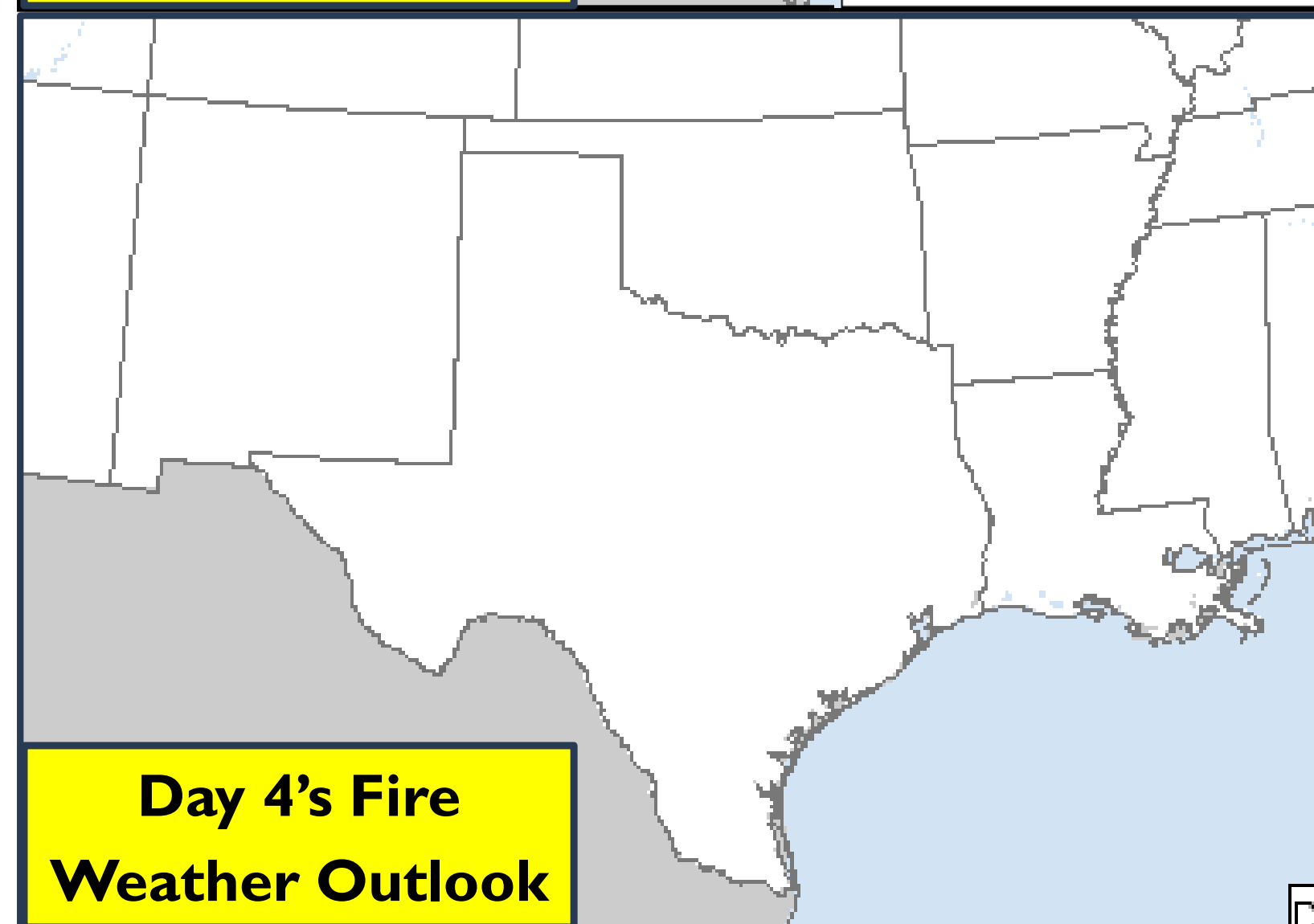
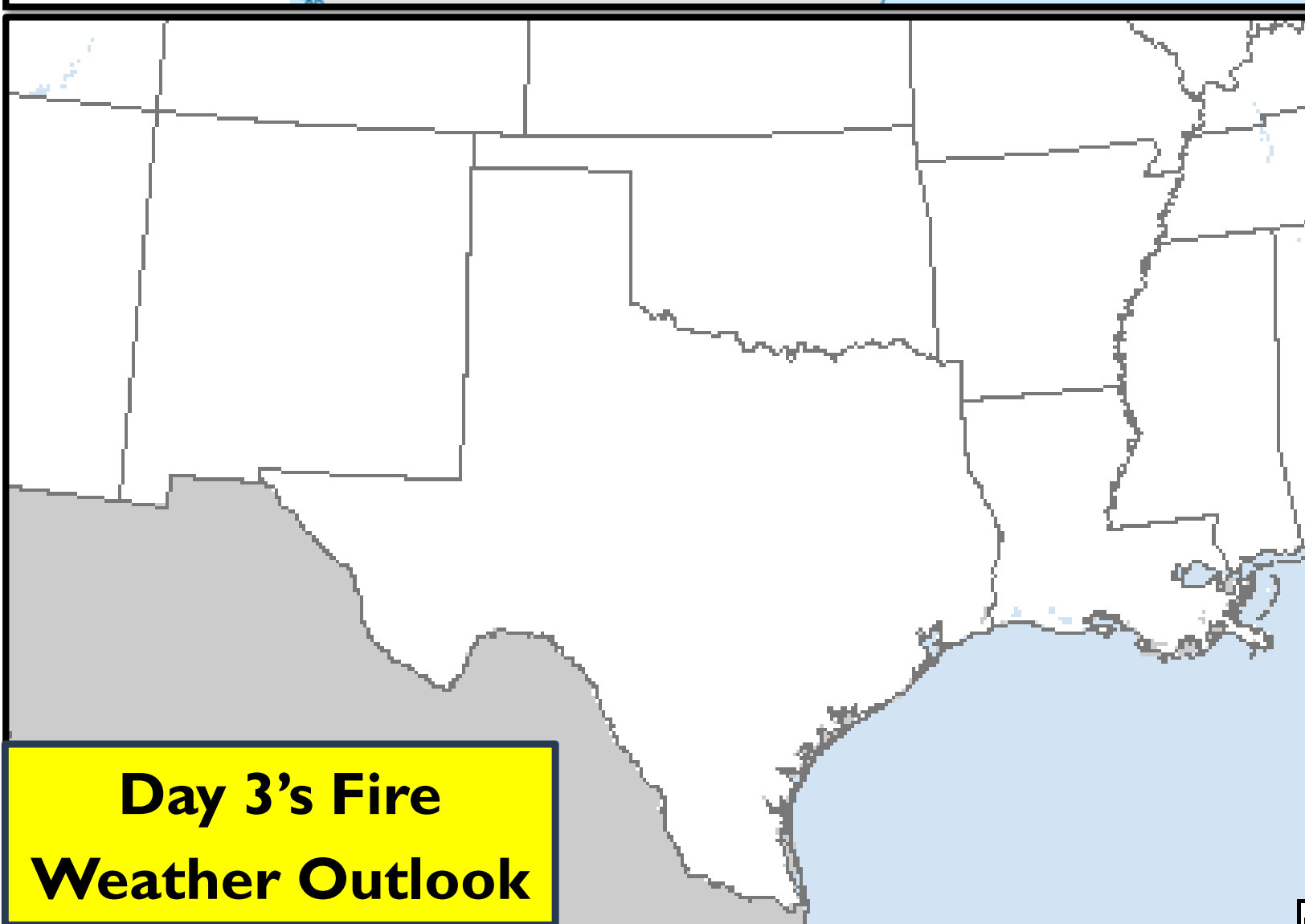
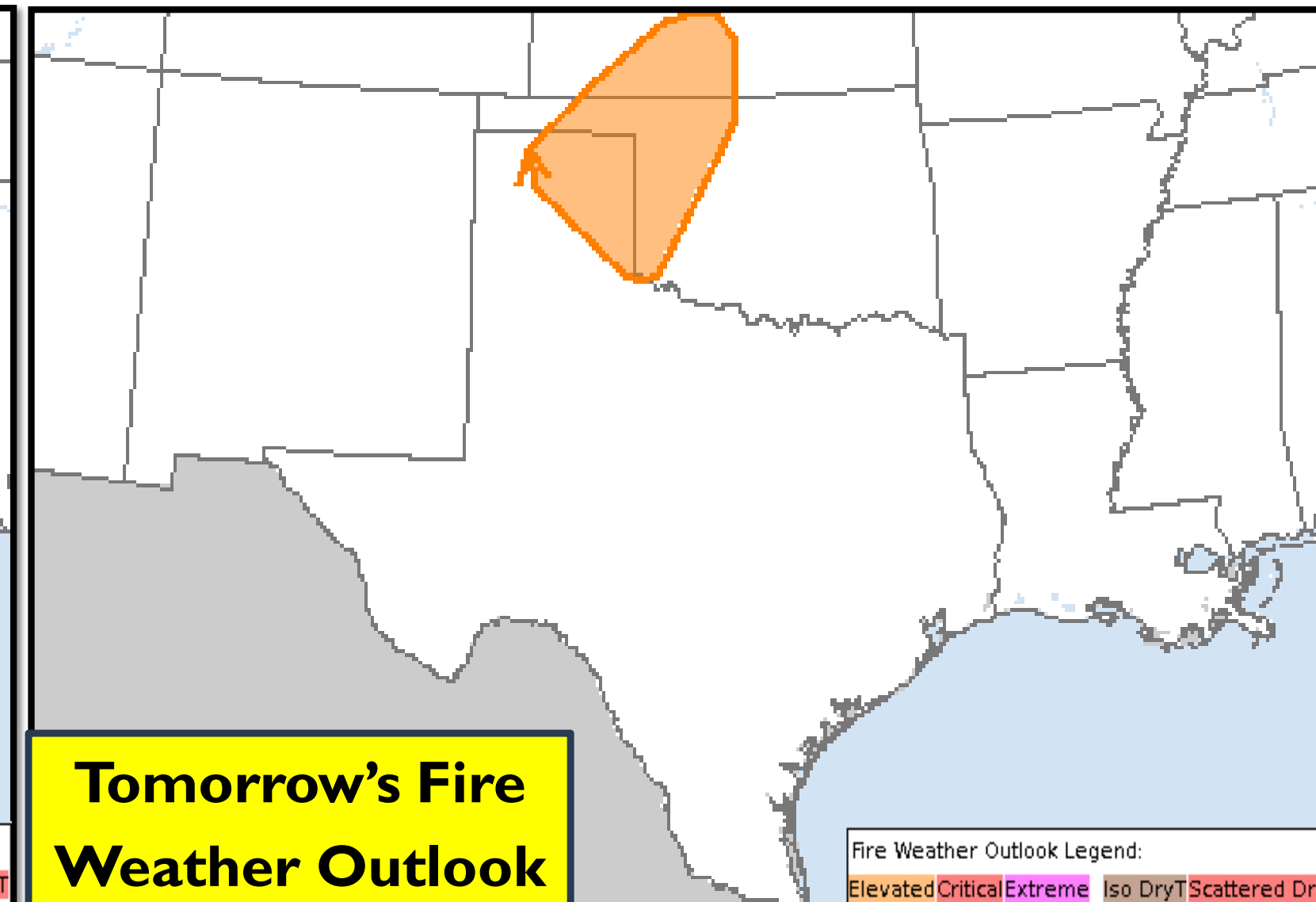
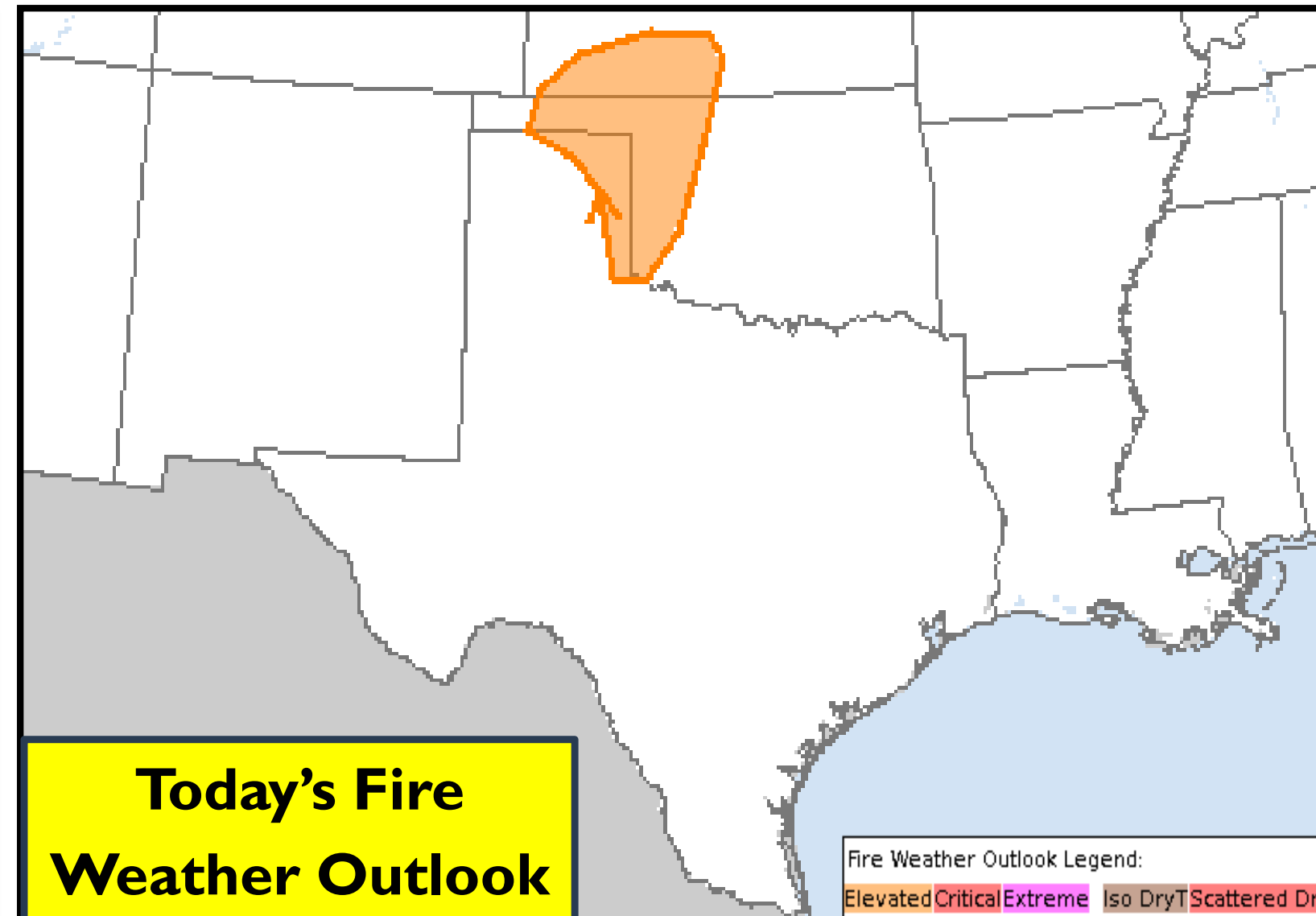
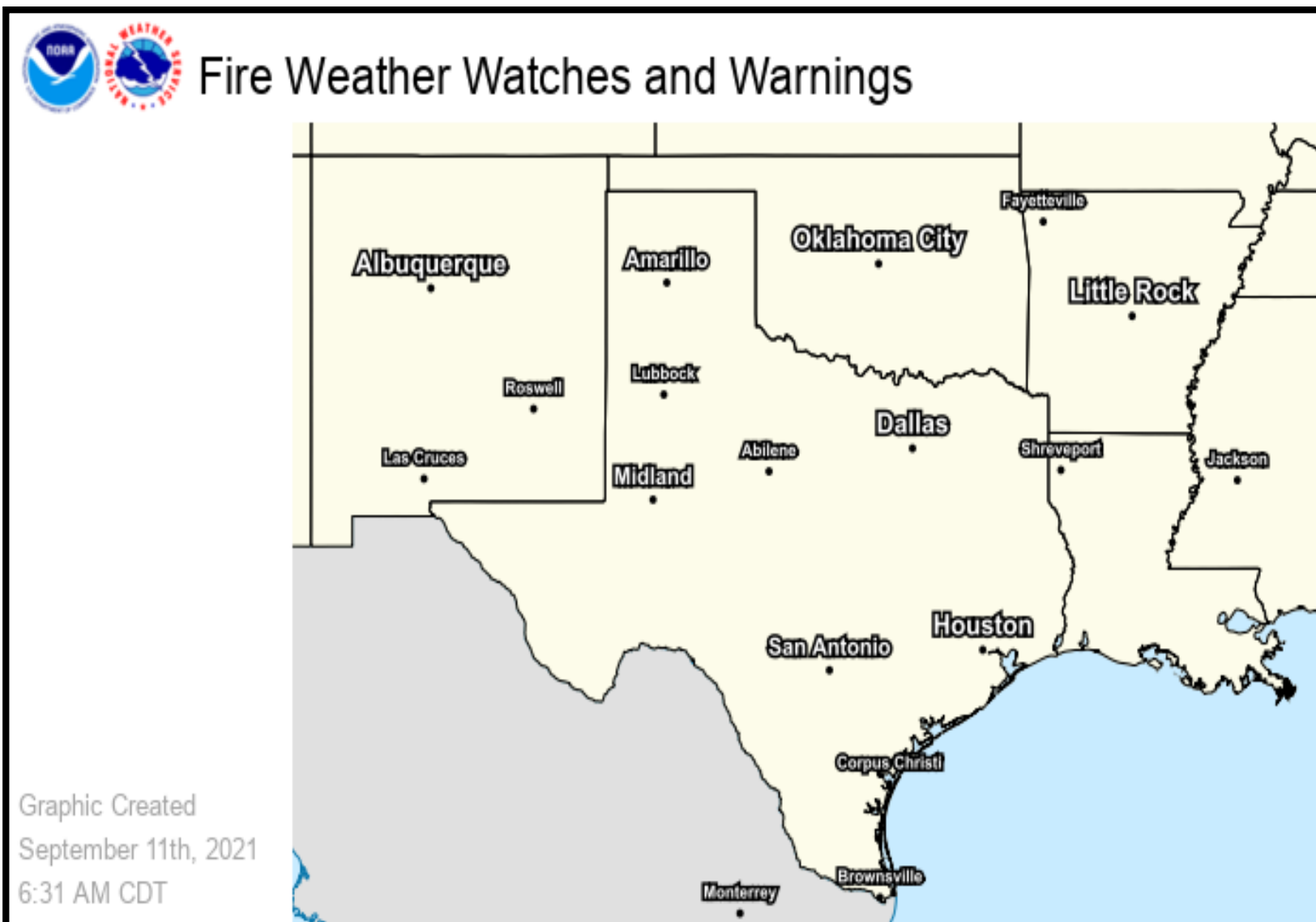




# Fire Weather Outlooks



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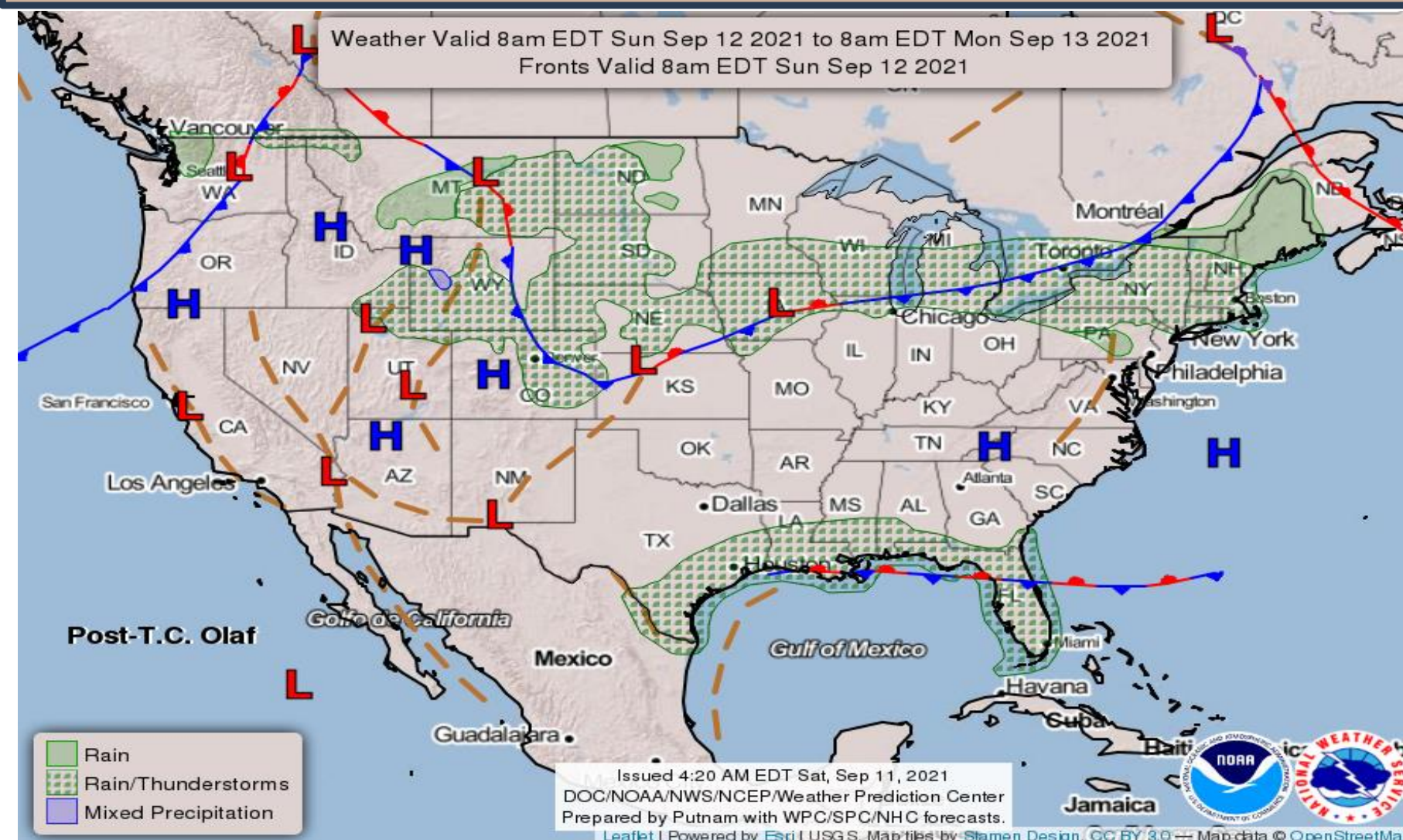


# Tomorrow's Weather

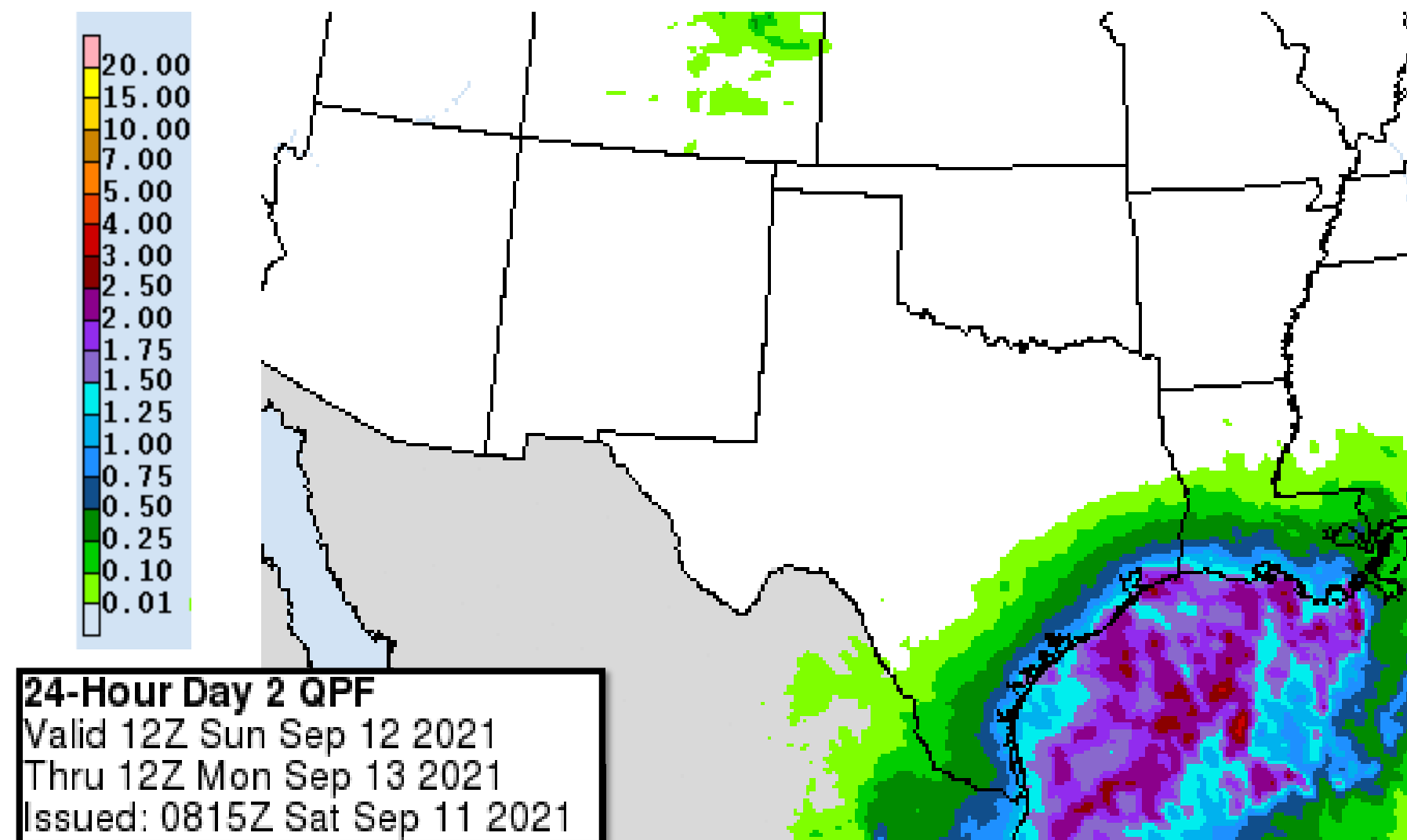


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# Forecast Chart

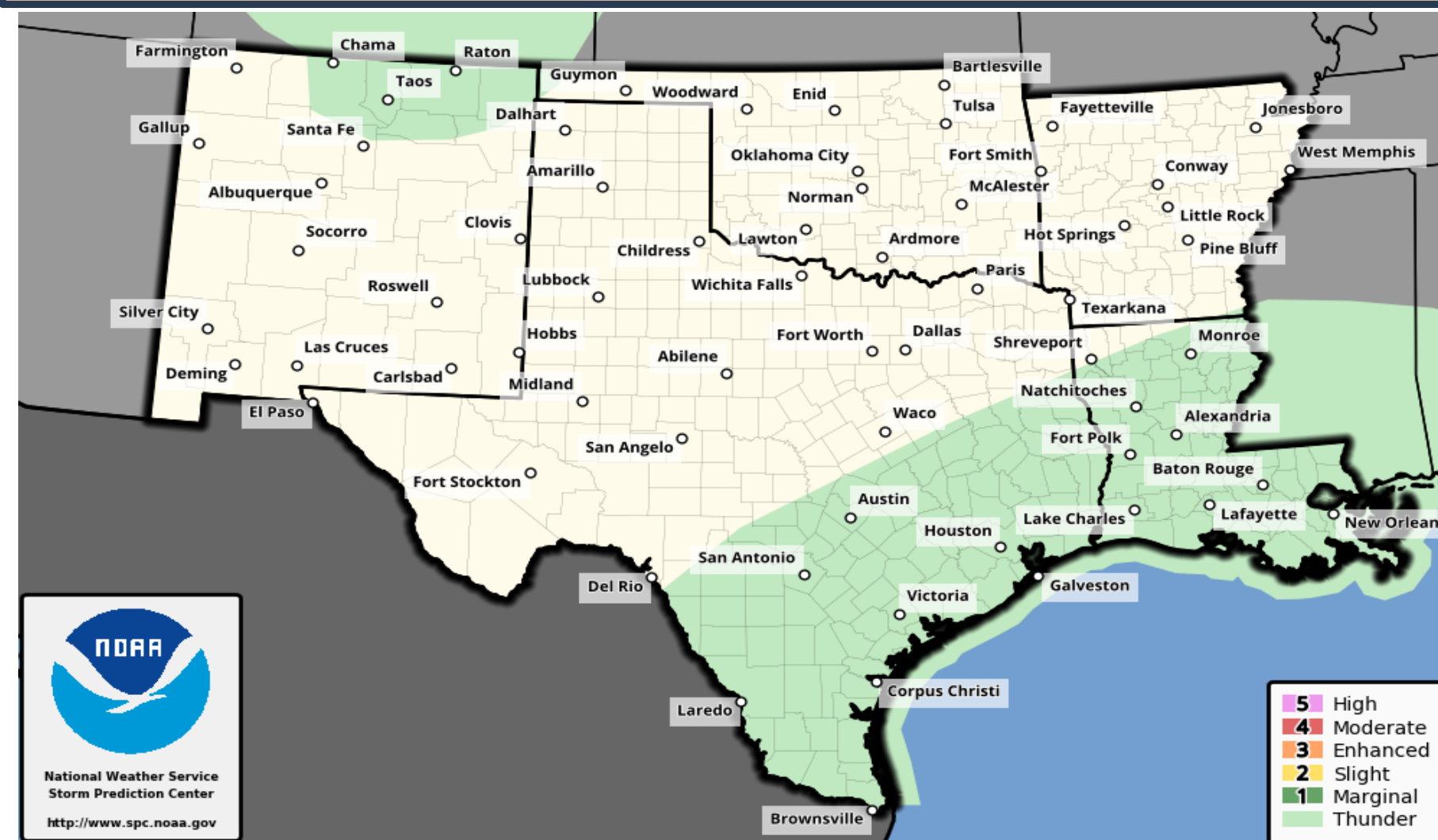


# Forecast Rainfall

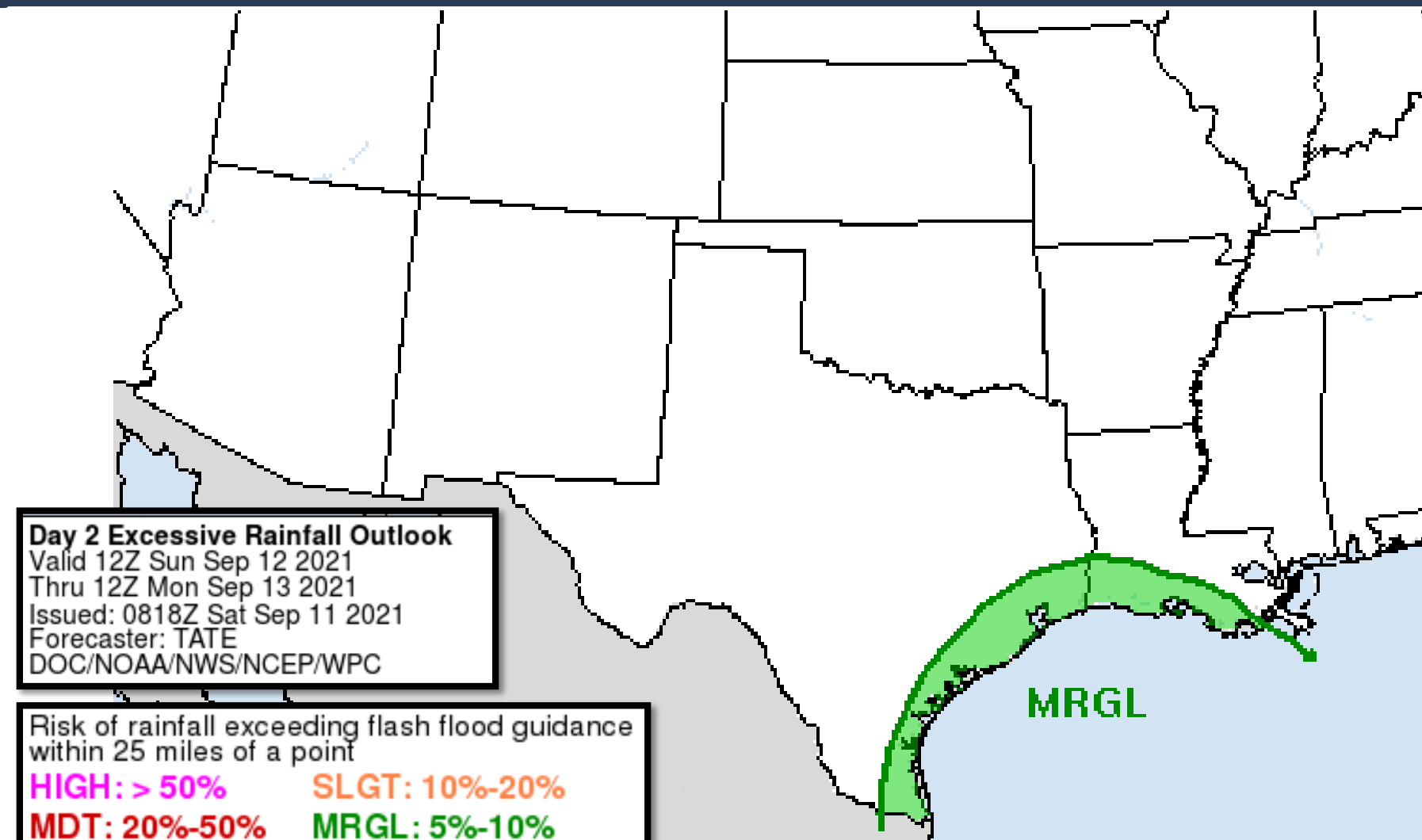


**Isolated heavy rain/flash flooding for coastal TX/LA.**

# Severe Weather Outlook



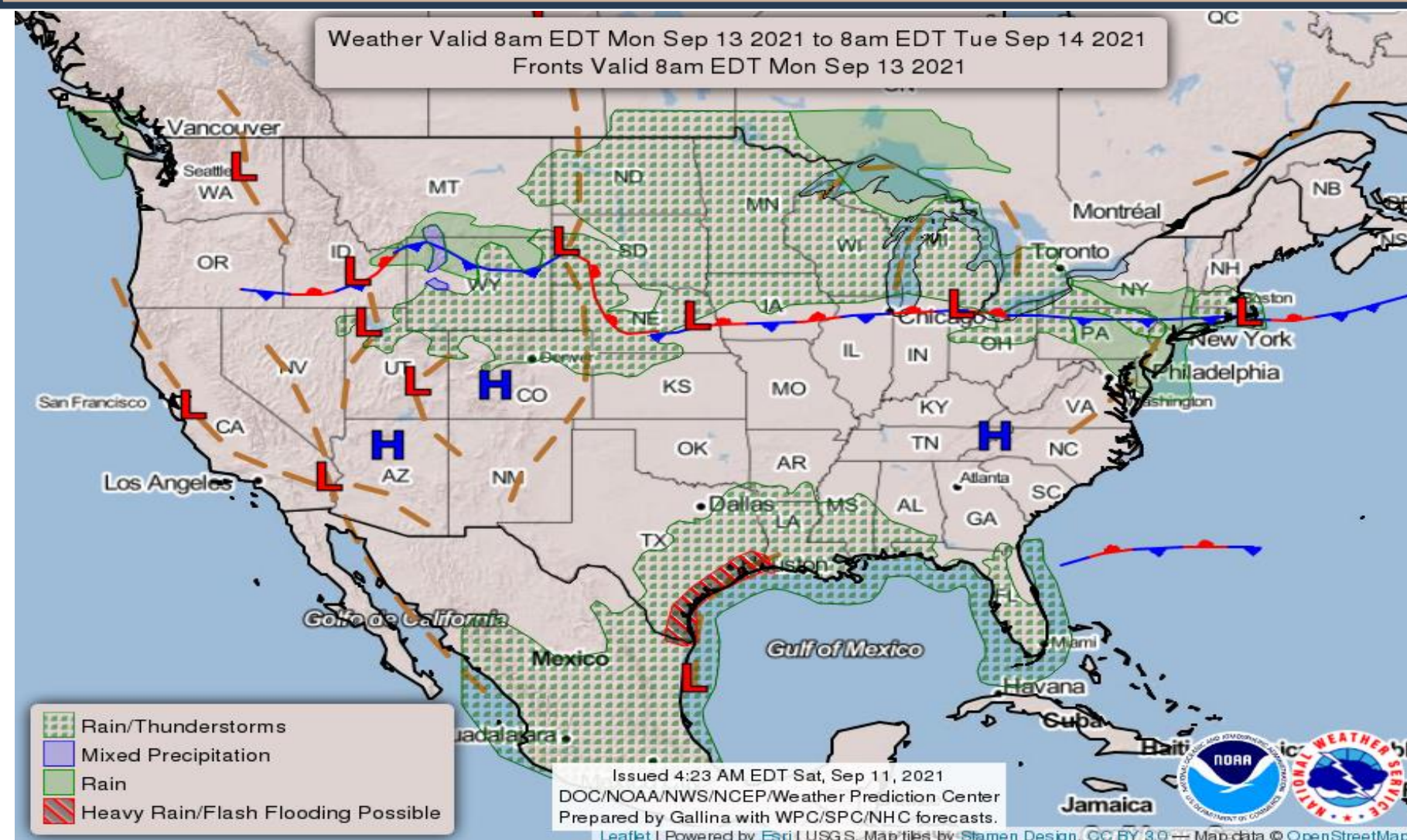
## Excessive Rainfall Outlook



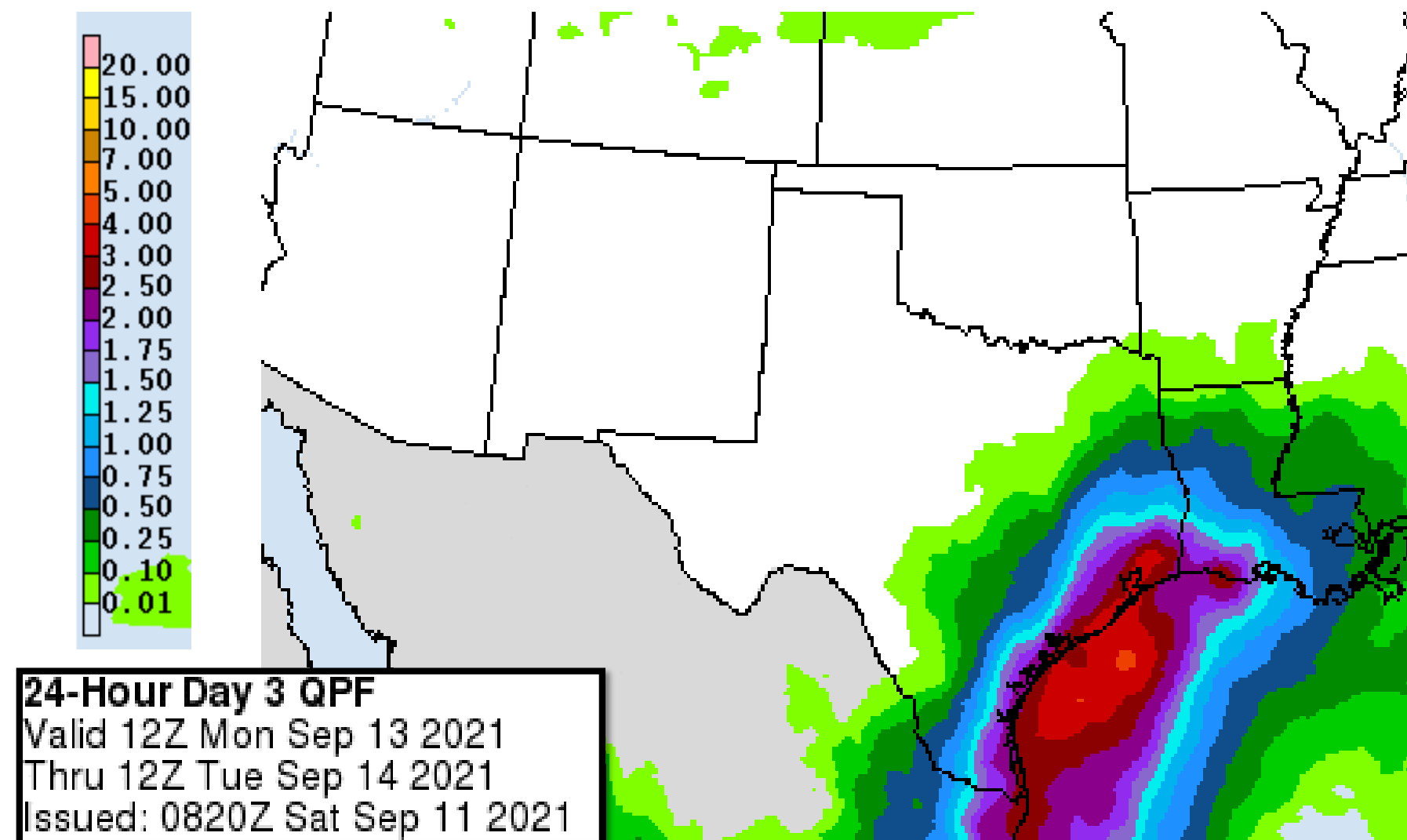


# Monday's Weather

## Forecast Chart

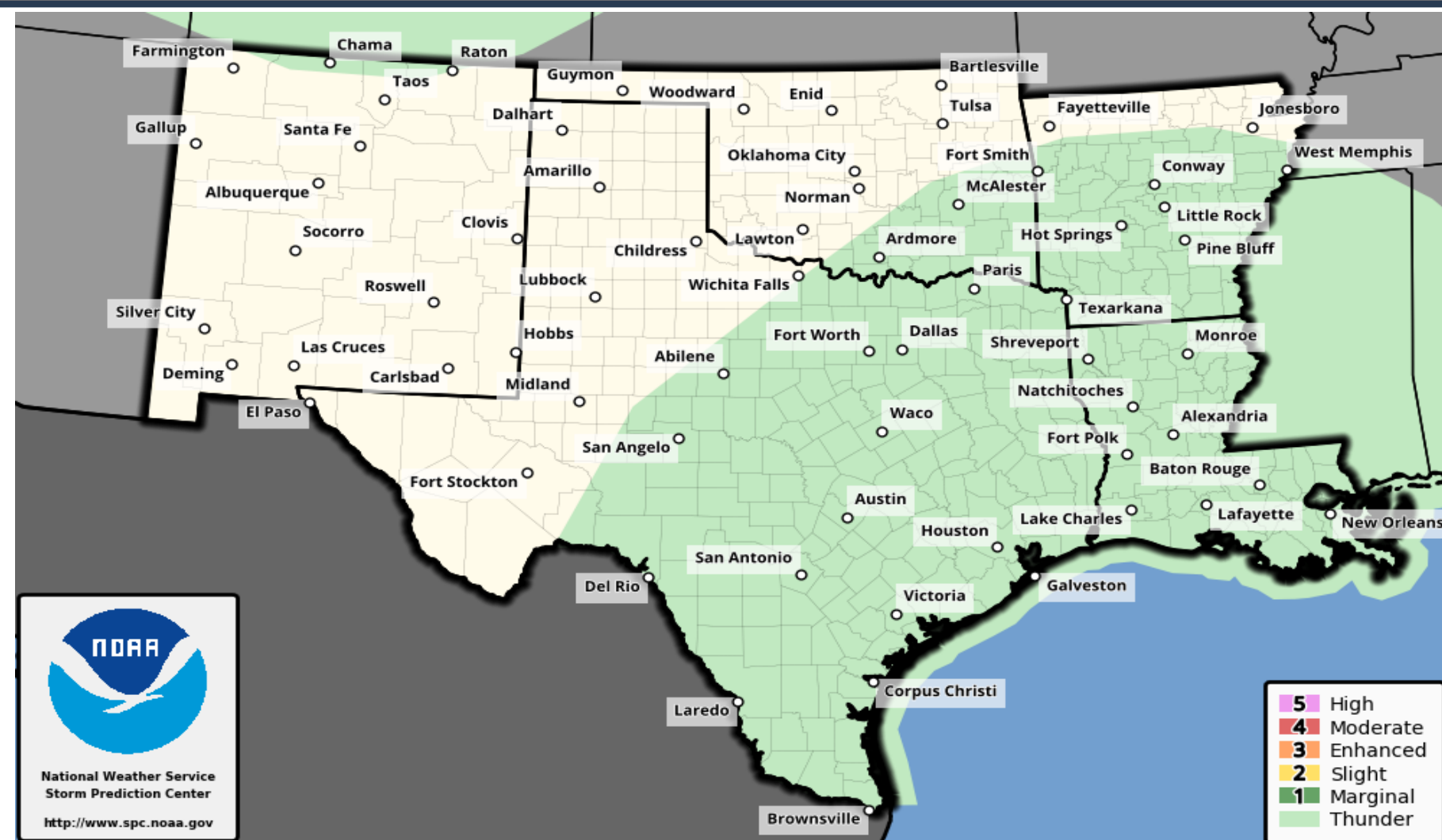


## Forecast Rainfall

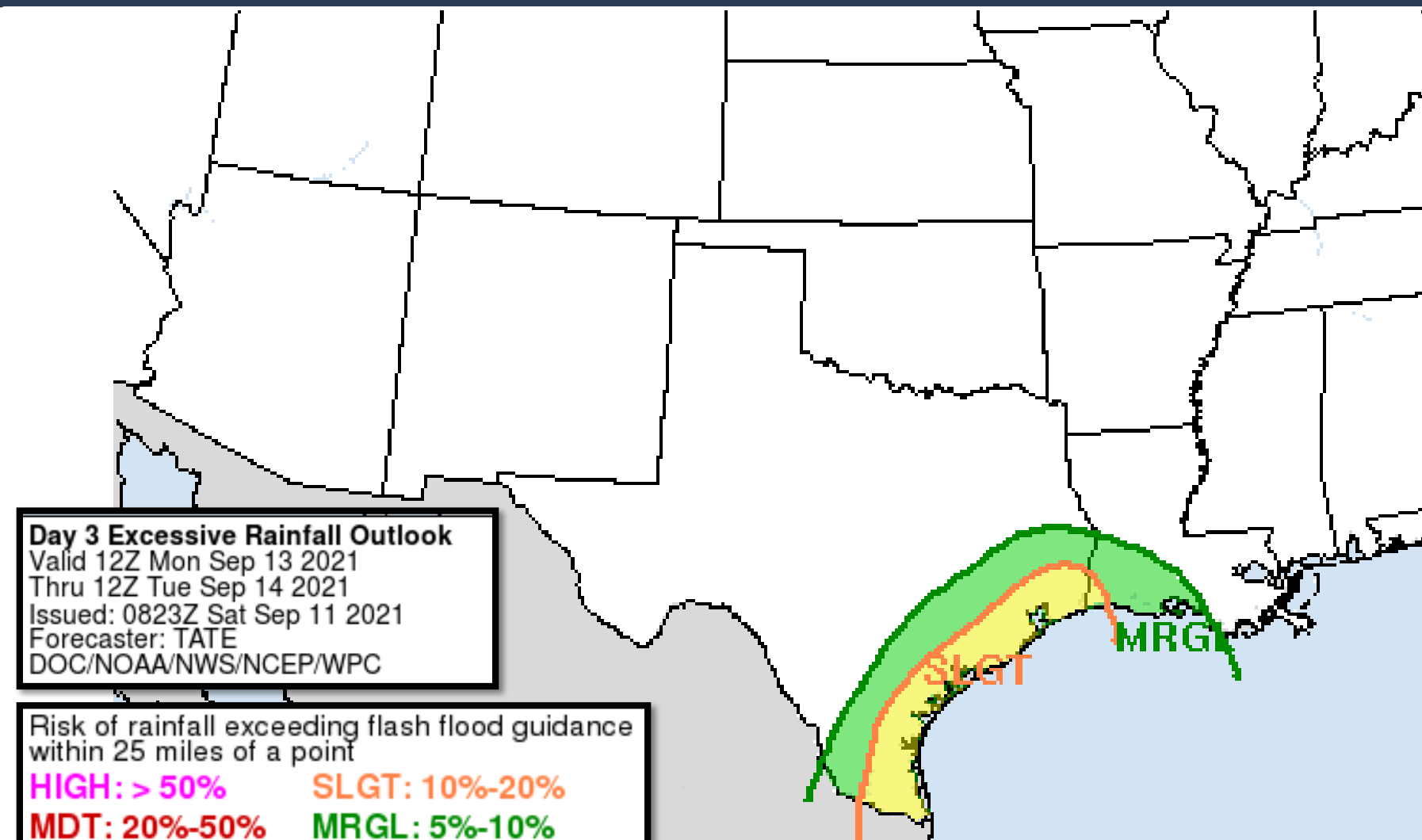


**Isolated to scattered heavy rain/flash flooding for coastal TX/LA.**

## Severe Weather Outlook



## Excessive Rainfall Outlook





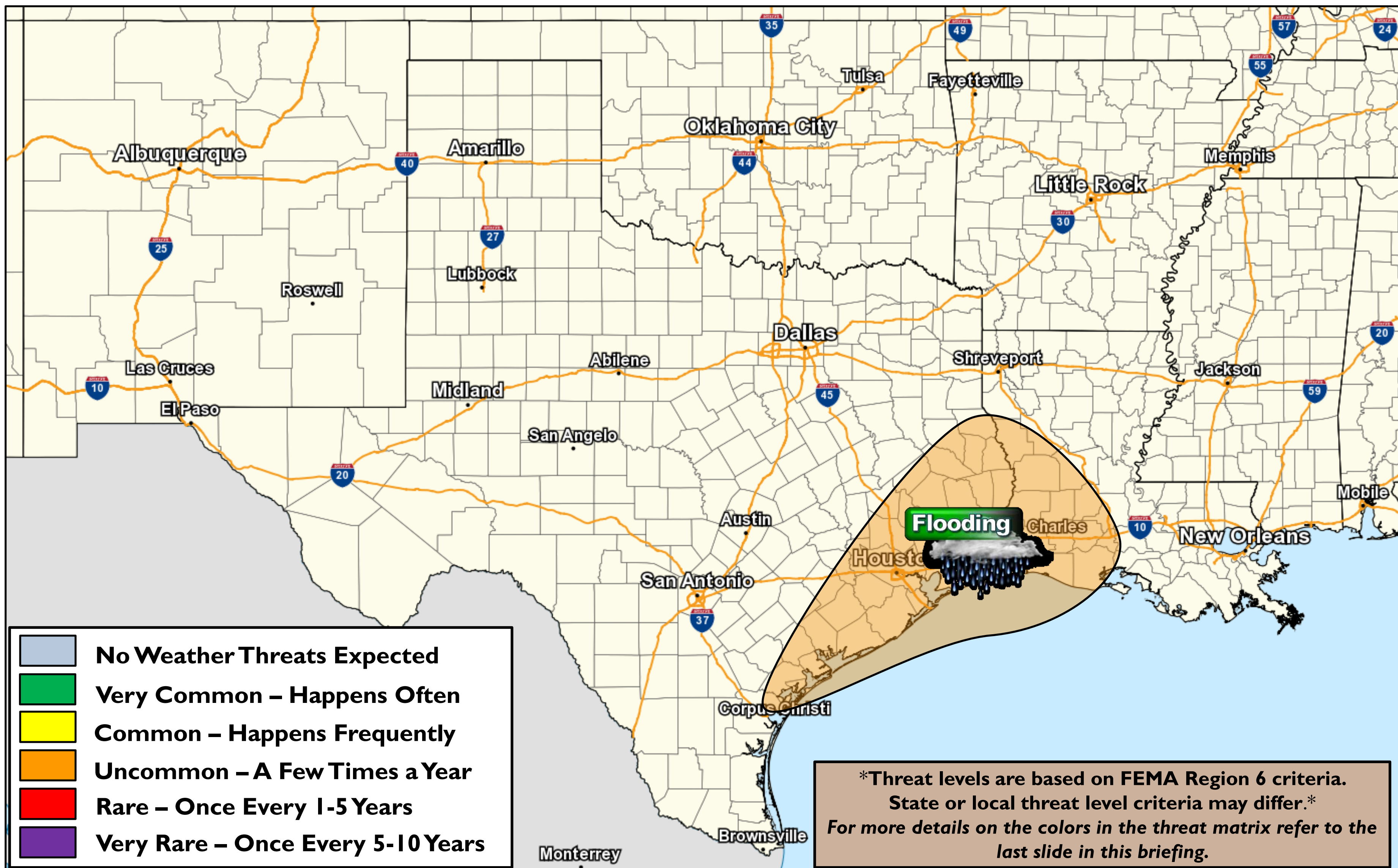
# Days 4-5 Weather Hazards

Tuesday - Wednesday



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**Heavy rainfall/flash flood threat continues for coastal TX/LA.**



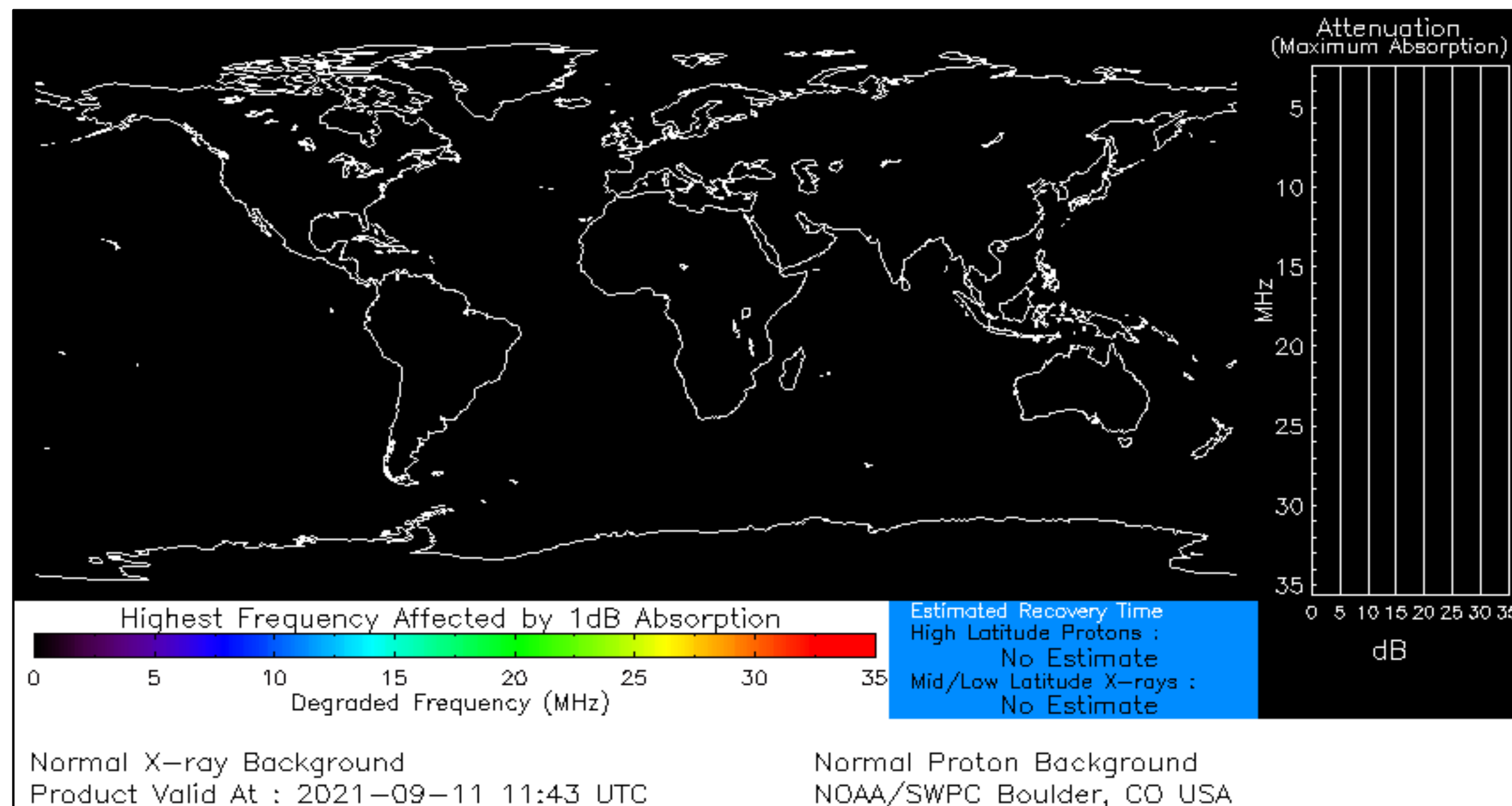


# Space Weather 3-Day Forecast



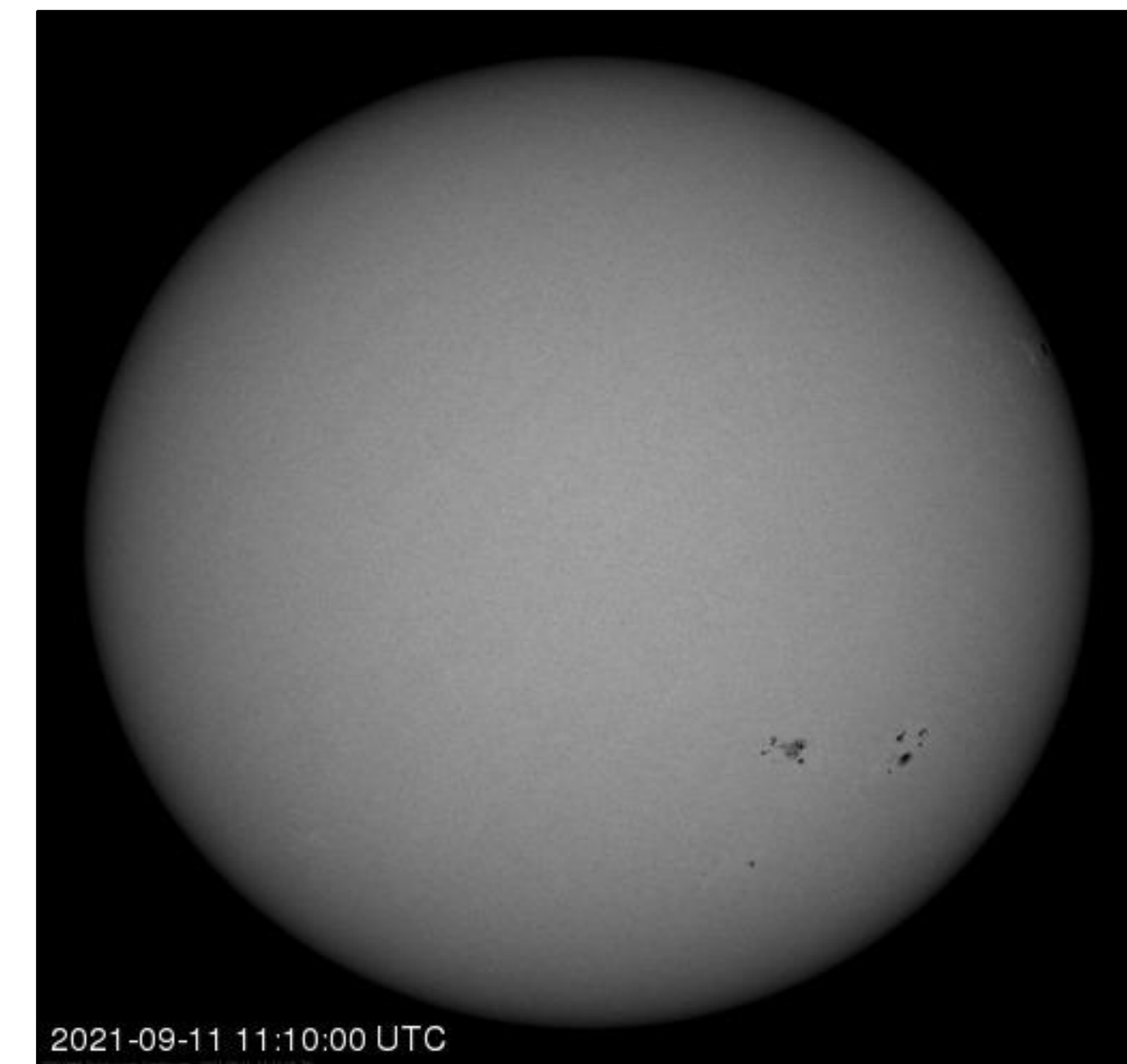
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	Saturday	Sunday	Monday
Geomagnetic Storms	Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	20%	20%	20%
Radio Blackout (R3-R5)	5%	5%	5%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)







# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**